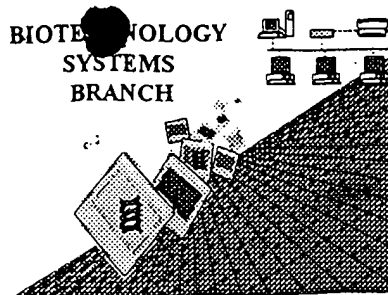


5-ram

BIOTECHNOLOGY  
SYSTEMS  
BRANCH

#17

## RAW SEQUENCE LISTING ERROR REPORT



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/369,992A

Source: 1641

Date Processed by STIC: 5/30/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: [patin3help@uspto.gov](mailto:patin3help@uspto.gov) or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

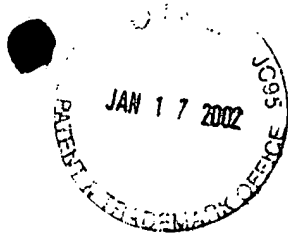
### Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 - 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>



*re-run*  
1641

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/369,992A

DATE: 05/30/2001  
TIME: 11:10:52

Input Set : A:\PTO.txt  
Output Set: C:\CRF3\05302001\I369992A.raw

Does Not Comply  
Corrected Diskette Needed

*pp 4-5*

3 <110> APPLICANT: Kara, Anna  
4 Ting, Robert  
5 Tham, Jill  
6 Nelson, James  
7 Tan, Theresa  
9 <120> TITLE OF INVENTION: Diagnosis of Plasmodium Infection by Analysis of Extrachromosomal Genetic  
10 Material  
12 <130> FILE REFERENCE: 64-99  
14 <140> CURRENT APPLICATION NUMBER: 09/369992A  
C--> 15 <141> CURRENT FILING DATE: 1999-08-06 ✓  
17 <150> PRIOR APPLICATION NUMBER: AU PO4953/97  
18 <151> PRIOR FILING DATE: 1997-02-06  
20 <150> PRIOR APPLICATION NUMBER: AU PO6329/97  
21 <151> PRIOR FILING DATE: 1997-04-21  
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37 actacatttt atatacttag acacataaca aaaagatcct tcactaaaaa taattgaatt 180  
39 aatatttgca aaaaaattat ctttataaga aactacagtt cctaaatatt tttttactaa 240  
41 taaaggatat tttaaaataa cgtccaataa agacaaaaat ataataccta atttttttaa 300  
43 aaaatattgt gttgtatgta aaacagatat actatcacaa ataacatcaa taggaattat 360  
45 ttttttatta aaataggtat ctaaaaaatt tatattttaa ttagttttta aatatactaa 420  
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57 atattataaa atatttcaag ttaacgatga gatttgaact cacaatctac tgattacaaa 780  
59 tcagttgctt taccaattaa gccactttta caaatataat atttataatt aaatattcaa 840  
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63 tttttctaat tattgtttta ttcatttata tgattagaat attattttta attaaatttt 960  
65 cttatttata ttacttcaac aattaaaatt ttatacttaa ctactcaaca ttacaaaata 1020  
67 taataattga tatatcattg gtataatttt ttcgatcctc tcgtactaga aaaaataatt 1080  
69 tcaatattct aacacttata ttagatatgg accgaactgt ctacagacgt tctgaaccca 1140  
71 gctcacgcat cgctttaata ggccaacaga cttaccctta aaacatacta ctgccttagg 1200  
73 atgcgataag ccgacatcga ggtgccaaac cttttcgta atatggactc tcggaaaaga 1260  
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81 gaccgcccc gtcaaaactat cttataaata ttgttaaaaa ttttggtata aaaattttat 1500  
83 aagaatttat atatatataa aatggtattt cattaacaat tacattattt ccaaaaaaat 1560

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/369,992A

DATE: 05/30/2001

TIME: 11:10:52

Input Set : A:\PTO.txt

Output Set: C:\CRF3\05302001\I369992A.raw

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95	ctgggcagat	gtcaatcttt	atacatcatc	tttcgattta	gcaaagattt	gtgtttttgt	1920
97	taaacagtcg	cttaaatttt	ttgttttcaa	ctaaataagt	atctcttctc	ccctaagttt	1980
99	acgagataaa	tttgccgagt	tccttaaaaa	aaattatctc	aacttcttaa	taatttatat	2040
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109	accaatattt	acattactca	aattagcatt	atcacttttg	atataattat	tttaactttt	2340
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113	ttttatacata	tcgataatta	atttattttc	gattattttct	gaactaaaa	tactaaatta	2460
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119	ggctgtttcc	cttttgaaaa	taaagcttat	cctttatttt	ctgatcatat	atatatttta	2640
121	ttaaataaaa	ttcttaaaat	attttcatta	atattaacta	tataaattaa	tttaataaaa	2700
123	aaagagtttt	acattttattt	atatataaat	actatactta	catatatttc	aaagagaacc	2760
125	agctatcttc	aaattcgatt	ggcattttcac	ctctaattat	actttatttg	atacttttgc	2820
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129	gatcatttga	tttcgggtct	ataataaata	atatactaaa	tgcttattat	atataataac	2940
131	aaactcgagt	atactttggc	ttcattttata	aatattttaac	ctaataatta	tactattttat	3000
133	tataacttgc	taattctttc	ttcaacaaga	aaataataaa	atttatattaa	attttatttat	3060
135	tattttattaa	attttaaatt	caggttcttt	tcactatttt	ctcaaaatcc	ttttcatctt	3120
137	tccctcacgg	tactattcac	tatcaacttt	tatttatatta	aattttataa	gataactctt	3180
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159	agaagatcat	tggttcgatt	ccaatattac	ttaaataaat	ctataattta	atggataaaa	3840
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169	atataatagg	gaatatagtt	taatggtaaa	atcttattct	tgcataataa	agatagtagt	4140
171	tcaattctac	ttattttccat	attataaaat	ctataaatgt	tataattttt	aaataatata	4200
173	tatataatta	tattgcgagt	ttgatcctag	ctcagaatga	acgctagaaa	tatacattac	4260
175	acatgcaaat	ttatggatta	tatcatagtg	aataggtgag	gatataataa	tttttaattt	4320
177	taaatagatt	ataatatata	ataatctata	agcgcattta	tttatataat	tgtactatat	4380
179	taaaaattat	tattgtttta	aataaaattt	atatttgatt	aactagttgg	taaaaataaa	4440
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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/369,992A

DATE: 05/30/2001

TIME: 11:10:52

Input Set : A:\PTO.txt

Output Set: C:\CRF3\05302001\I369992A.raw

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185 cttgataaaag taatatattct taaaggatga cagtatatatt ttatatattgta aactttatat 4620
187 tttatttttta aatattgata aaaataaaaac attagtattt gctaatttct gtgccagcag 4680
189 cagcggtaat acagaaaata ccagcggttat tcactttatt tggcgtaaaag cgttttaagg 4740
191 ttttatatta attttattttt aaaatatatta atttaaattt gaataaaaaa taaataataa 4800
193 tataataaga gtattataaa agtattaaga attttttgag aagtagtgaa atgcaatgat 4860
195 acaaaaaaga ataccaaagg cgaaggcata atactatata ataactgaca cttataaacg 4920
197 aaagctaagg tagcaaatag gattagatac cctagtagtc ttagctgtaa actatgaata 4980
199 ttttatattt atatattaat ataaatataa taactaacgt aataaatatt ccgcctgagt 5040
201 agtatattcg caagaacgaa attcaaagga attgacggga gcttatataa gtggtggaac 5100
203 atgtggctta attcgatgca acacgataaa ccttaccaaa atttaacaat atttttatta 5160
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207 tgtgaagtat taatttaagt attataacga acgtaaccct tttataaaaa aaatttttta 5280
209 taatatattt attaaatata taaaaaagac tacgtcaagt cattatgctc cttatatattt 5340
211 gggctgctca cgtgttacat aaaatataac aatattttat tatatgaaaa tataatatat 5400
213 taaatatatt tatagttctg attataaatt gaaactcatt tatatgaaga tggaaatcact 5460
215 agtaatcgct aataagaagt atagcgggtga ataagttcct aagctttgta cacaccgccc 5520
217 gtcacatctg gaaaatatta tattatataa aaattattgt aaaataataa tatataatta 5580
219 tataatttag atgaagtcgt aacaaggtag ccgtactgga aggtgctggc ggataataac 5640
221 ataaaaattt ggttgaatta tttattttaa aataaatatt atataataaa gtaattataa 5700
223 ttatataatt tttatagaca aaaatagcat taatacacat taatgtaaat ttagttaaatt 5760
225 attattttat atatataaag gtttttagtt taatggtaaa acataactctt gataagggtg 5820
227 agactttagt tcaattctaa aataaccta 5849
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233 <213> ORGANISM: Plasmodium berghei
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240 ttcttgaaaa aaagatgtct tacctttaaa cgataaaaagt aaaaacttaa attacctgag 180
242 acttgaactc agaaccattc gattaaaagt cgagtactct accaattaag ctagtaattc 240
244 ttaatataac gaatctgacg agaattgaac tcgtattcct tgttatgaca aaataatatt 300
246 ttaacctaat taaactacaa attcaaataa atatatatag ggaaaaggga ttcgaaccct 360
248 ggtatatata atactacat aaatgtagca atttatagct ataaccactc agccatttct 420
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252 cagtcctatcc cttttaacc ctcaggcatt aactttatta tacatttaag tagattcgaa 540
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256 taaatgttta ctttattaga gataaaggga ctcgaaccct tacaacaatt attgttaattg 660
258 gatttttctaa ttgaaattta gactttttat aaacatgtat ataaataata aagtcgtttg 720
260 aatatataac taatatatta cagaataaaa attatttttt ctttatatat atttaaatta 780
262 ttaattttatt tataaaatta actcataaac aacgaatata aattatattt atattattta 840
264 aagtcatttg tgtataccaa atttcacat atctctatta tatactatat aaatgatatt 900
266 cagatttgaa ctgaaataaa ataatttgca attatccact ttacctaatt aagttatatc 960
268 attattatat attataagat aaataaagag atttgaactc atataaaaga aaccacaatt 1020
270 ccttatctta accttttagg ttatatattt cattattaaa acttattata tattataaat 1080
272 attattataa atatataaaa tattatttaa atataaatca tttaatattt ttatttttaa 1140
274 attatatata catataataa aattatcatt aaaactagaa gatttaataa aattatattt 1200
276 atataaattt gatataataa tatatatatt atatctataa attaaatttg gtgaaattat 1260

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## RAW SEQUENCE LISTING

DATE: 05/30/2001

PATENT APPLICATION: US/09/369,992A

TIME: 11:10:52

Input Set : A:\PTO.txt

Output Set: C:\CRF3\05302001\I369992A.raw

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280 attaccataa accttattta aatatacata tttataacct atataatatc tcagagtggg 1380
282 gtatagtttt aaaaacccca tattaactaa aaagacatct aatctagggt ctaatagatt 1440
284 taataatttg agatataaat gattctcatg gtgactctgt atttttttca aataatgtaa 1500
286 atatggttta aatgtttata cataattata acagatatat cttacaaatt ttaattttta 1560
288 atcgaaataa gattgataga catatttatt aatttttaatt ttataattat atttactaga 1620
290 taaatataat aaaaaaggaa gatttaattt ttttaacatt tttatttttag gagttaaaaa 1680
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305 taaatatagg tcaaatatta gagggatatat atggattaaa tagtttatat ttaaataata 180
307 gatataata atctaataat ttaaatacta attattataa taattatatt aataatttta 240
309 attattataa atataattat aataataatt ttgaattcaa taaaatatca tataattata 300
311 ataaatattt tttaaaaaat ccgtttacgg gccatttaat acagaatagt atttgtttaa 360
313 ataattattt ttattataaa ttagtacata tggtaaaaaga taaattaaga tatagattca 420
315 taggattata ttctgaatta actcaacaac ctgtaaaaagg aaatacaaaa caaggaggtc 480
317 aaagatttgg tgaaatggaa gtatggggcg tagaag 516
320 <210> SEQ ID NO: 4
321 <211> LENGTH: 161
322 <212> TYPE: DNA
323 <213> ORGANISM: Plasmodium berghei
325 <400> SEQUENCE: 4
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328 gctataatga cttaataata ttattattat aatagaatat aaccaaaagg ttaaggtaat 120
330 gaactttgat ttcattaata taggttcgaa tccttttagga c 161
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336 <213> ORGANISM: Artificial
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339 <223> OTHER INFORMATION: OLIGONUCLEOTIDE USEFUL AS PRIMER
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C--> 348 <213> ORGANISM: ARTIFICIAL (OLIGONUCLEOTIDE AS PRIMER)
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350 <400> SEQUENCE: 6
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*delete colon*

*Explanation of Artificial Sequence goes on*

*line;*

*do not*

*insert on*

*<213> line*

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/369,992A

DATE: 05/30/2001

TIME: 11:10:52

Input Set : A:\PTO.txt

Output Set: C:\CRF3\05302001\I369992A.raw

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 C--> 411 <213> ORGANISM: ARTIFICIAL: OLIGONUCLEOTIDE USEFUL AS A PRIMER

*same*

18

*same*

18

*same*

24

*same*

26

*same*

18

*same*

18

*same*

FYI  
 The types of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

## VERIFICATION SUMMARY

PATENT APPLICATION: US/09/369,992A

DATE: 05/30/2001

TIME: 11:10:53

Input Set : A:\PTO.txt

Output Set: C:\CRF3\05302001\I369992A.raw

L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:336 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:5  
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L:377 M:258 W: Mandatory Feature missing, <220> FEATURE:  
L:377 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:  
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L:386 M:258 W: Mandatory Feature missing, <220> FEATURE:  
L:386 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:  
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L:395 M:258 W: Mandatory Feature missing, <220> FEATURE:  
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L:402 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:12  
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L:411 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:13  
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L:422 M:258 W: Mandatory Feature missing, <220> FEATURE:  
L:422 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:  
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L:431 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:  
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L:458 M:258 W: Mandatory Feature missing, <220> FEATURE:  
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L:465 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:19  
L:467 M:258 W: Mandatory Feature missing, <220> FEATURE:  
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L:474 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:20  
L:476 M:258 W: Mandatory Feature missing, <220> FEATURE:  
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L:483 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:21

## VERIFICATION SUMMARY

DATE: 05/30/2001

PATENT APPLICATION: US/09/369,992A

TIME: 11:10:53

Input Set : A:\PTO.txt

Output Set: C:\CRF3\05302001\I369992A.raw

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L:1442 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:48  
L:1444 M:258 W: Mandatory Feature missing, <220> FEATURE:  
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L:1489 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION: